

## WHAT IS CLAIMED IS:

1. A method of displaying a measurement result in an inspection process using a network, the method comprising:

- transmitting to a device a measurement condition of a lot determined to be used;
- measuring the lot based on the measurement condition received via a network and obtaining measured data;
- determining whether or not the measured data received via the network is abnormal or normal based on a predetermined assessment standard and producing a result of assessing a measured value so as to transmit the result to the device; and
- providing a display corresponding to the result of assessing the measured value in accordance with the received result of assessing the measured value as well as a previously registered display standard.

2. The method of displaying a measurement result in an inspection process according to claim 1, wherein the determining step includes displaying that the lot is abnormal, when the result of asserting the measured value is abnormal and displaying that the lot starts into a next process when the result of assessing the measured value is normal.

3. The method of displaying a measurement result in an inspection process according to claim 1, wherein the providing step includes providing a display corresponding to the result of assessing the measured value and a display of an operating condition showing

the device operating or not operating, by lighting up, turning off, or flashing four colors of a four color display unit, connected to the device, the unit, including a first display portion, a second display portion, a third display portion and a fourth display portion of colors different from each other.

4. The method of displaying a measurement result in an inspection process according to claim 1, wherein the providing step includes providing a display showing the operating condition of the device and a display corresponding to the result of assessing the measured value on a device monitor connected to the device.

5. The method of displaying a measurement result in an inspection process according to claim 1, wherein the determining step includes not transmitting an instruction to transfer a corresponding lot or of transmitting an instruction to transfer the lot to a buffer, to a transferring portion connected to a host via the network in case that the result of assessing the measured value is abnormal while transmitting to the transferring portion an instruction to transfer the corresponding lot and also transmitting to a processing device for a next process an instruction to start processing of the corresponding lot in case that the result of assessing the measured value is normal.

6. The method of displaying a measurement result in an inspection process according to claim 1,

wherein the measuring step includes reading a lot number such as a bar code by an identification mounted in the device and then adding the lot number to the measured data so as to transmit

the data to a host, and

wherein the determining step includes including the lot number in the produced result of assessing the measured value.

7. A computer program capable of implementing operation by the method of displaying a measurement result in an inspection process according to claim 1, further comprising encoding each step.

8. A system of displaying a measurement result in an inspection process using a network, the system comprising:

a device that measures a lot based on a measurement condition corresponding to the inspection process so as to obtain measured data; and

a host that intensively controls and manages the device in one or a plurality of steps, the host further comprising:

a device control server that transmits to the device via the network the measurement condition of a lot determined to be use; and

a process management server that assesses the measured data, which is received via the network, based on a predetermined assessment standard, and then produces a result of assessing a measured value so as to transmit the result to the device,

wherein the device provides a display corresponding to the result of assessing the measured value in accordance with the received result of assessing the measured value and a previously registered display standard.

9. The system of displaying a measurement result in an inspection process according to claim 8, wherein the host comprises a host terminal connected to the network, and the host terminal displays that the lot is abnormal when the result of assessing the measured value is abnormal while displaying that the lots starts into a next process when the result of assessing the measured value is normal.

10. The system of displaying a measurement result in an inspection process according to claim 8,

wherein the device comprises a four color display unit including a first display portion, a second display portion, a third display portion and a fourth display portion of colors different from each other, and

wherein the four color display unit provides a display corresponding to the result of assessing the measured value and a display showing an operating condition of the device operating or not operating, by lighting up, turning off or flashing four color of the four colors display unit.

11. The system of displaying a measurement result in an inspection process according to claim 8, wherein the device comprises a device monitor, and the device monitor provides the display showing the operating condition of the device and the display corresponding to the result of assessing the measured value.

12. The system of displaying a measurement result in an inspection process according to claim 8, wherein the host does not

transmit an instruction to transfer the corresponding lot or transmits an instruction to transfer the lot to a buffer, to a transferring portion connected to the host via the network in case that the result of assessing the measured value is abnormal while transmitting to the transferring portion an instruction to transfer the corresponding lot and also transmitting to a processing device for a next process an instruction to start processing of the corresponding lot in case that the result of assessing the measured value is normal.

13. The system of displaying a measurement result in an inspection process according to claim 8,

wherein the device comprises an identification unit for reading a lot number such as a bar code,

wherein the identification unit reads the lot number and then adds the number to the measured data so as to transmit the data to the host, and

wherein the processes management server includes the lot number in the produced result of assessing the measured value.

14. A lot processing system using the system of displaying a measurement result in an inspection process according to claim 8, the system comprising:

a host that controls and manages a device for inspecting a lot in each of a plurality of processes,

wherein the host does not transmit an instruction to transfer a corresponding lot or transmits an instruction to transfer the lot to a buffer, to a transferring portion connected to the host via network in case that a result of assessing a measured value of the lot is

abnormal while transmitting to the transferring portion an instruction to transfer the corresponding lot and also transmitting to a processing device for a next process an instruction to start processing of the corresponding lot in case that the result of assessing the measured value is normal.

15. A host server for use in an inspection process using a network, comprising:

a device control server that controls a device of an inspection process in one or a plurality of processes via a network and transmits to the device a condition of measuring a lot determined to be use; and

a processes management server that intensively manages the device, assesses measured data, which is received via the network, based on a predetermined assessment standard, and then produces a result of assessing a measured value so as to transmit the result to the device.

16. The host server according to claim 15, wherein the processes management server does not transmit an instruction to transfer a corresponding lot or transmits an instruction to transfer the lot to a buffer, to a transferring portion connected to the host via the network in case that the result of assessing the measured value is abnormal while transmitting to the transferring portion an instruction to transfer the corresponding lot and also transmitting to a processing device for a next step an instruction to start processing of the corresponding lot in case that the result of assessing the measured value is normal.

17. A device for implementing an inspection in an inspection process using a network, comprising:

a four color display unit including a first display portion, a second display portion, a third display portion and a fourth display portion of colors different from each other; and

a main unit, incorporated in the device, that transmits to a host server via a network measured data obtained by measuring a lot based on a measurement condition corresponding to the inspection process,

wherein the four color display unit provides a display corresponding to a result of assessing a measured value and a display showing an operating condition of the main unit of the device operating or not operating by lighting up, turning off or flashing four colors in accordance with the result of assessing the measured value received by the main unit of the device from the host server via the network and a previously registered display standard.

18. The device according to claim 17, further comprising a device monitor that provides the display showing the operating condition of the main unit of the device and the display corresponding to the result of assessing the measured value.

19. The device according to claim 17, further comprising an identification means for reading a lot number such as a bar code and then adding the number to the measured data so as to transmit the data to the host server, wherein the device monitor displays the lot number included in the result of assessing the measured value transmitted from the host server.

20. The device according to claim 18, further comprising an identification means for reading a lot number such as a bar code and then adding the number to the measured data so as to transmit the data to the host server, wherein the device monitor displays the lot number included in the result of assessing the measured value transmitted from the host server.